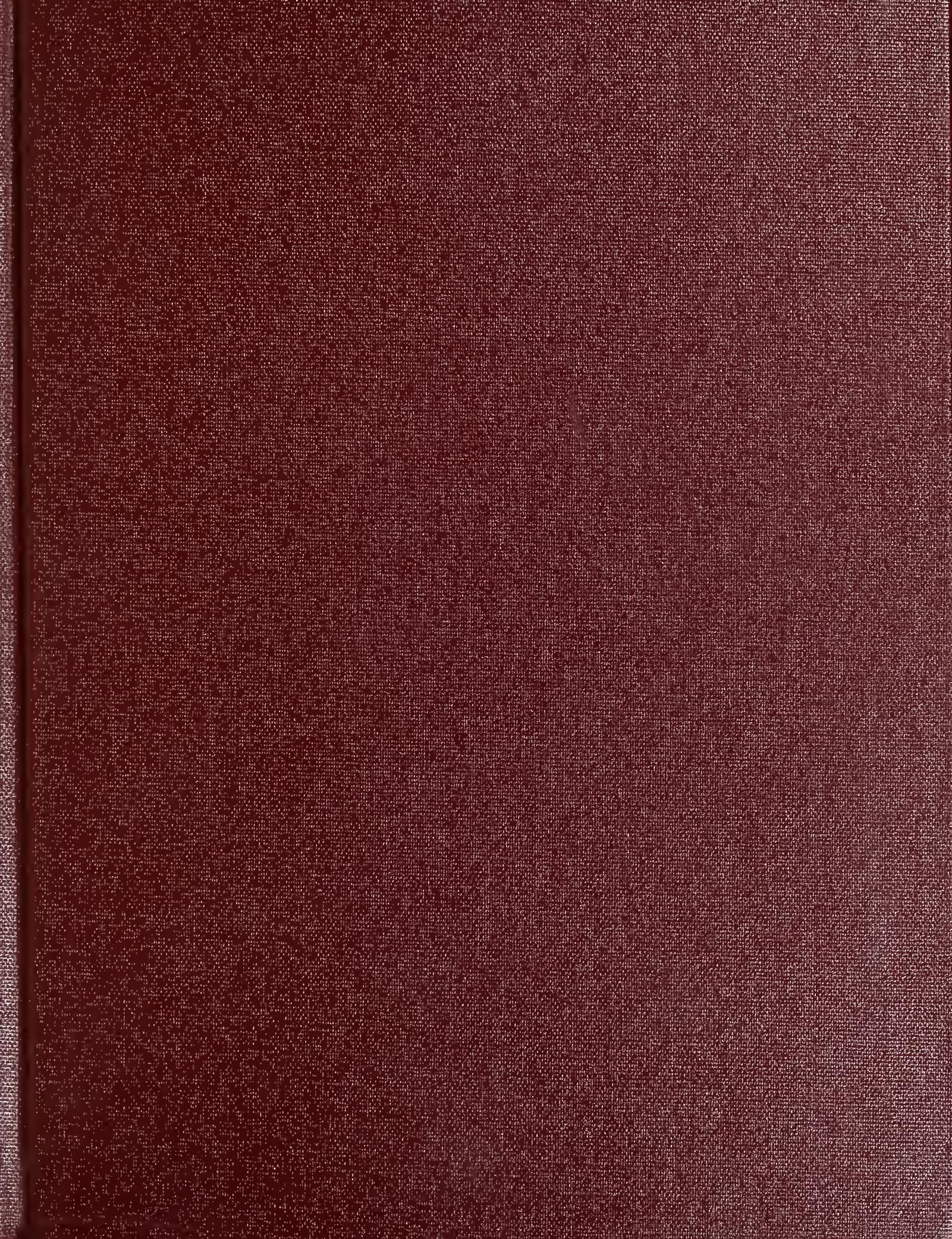


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# Agricultural Libraries Information Notes



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## NAL Participates in Second U.S./Central European Agricultural Library Roundtable

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### Introduction

cond U.S./Central European Agricultural Library Roundtable was held over 4-9, 1992, in Budapest, Hungary. The conference theme, "Possibilities for Cooperation between the U.S. National Agricultural Library

(NAL) and Central European Agricultural Libraries," brought together representatives of 12 agricultural library institutions from 10 newly emerging nations and the United States. The week-long deliberations focused primarily on how to move forward in developing collaborative opportunities for improving access to and dissemination of agricultural information.

The Budapest Roundtable continued the momentum begun at the first U.S./Central European Agricultural Library Roundtable held in Beltsville, Maryland, in November of 1991. At that time, the dramatic political changes which were taking place in Central Europe provided NAL with a unique opportunity to explore the great variety

of changes that could occur in the Library's relationships with its counterparts in Central Europe. As reported in *ALIN*, Vol. 18, Nos. 3/4, March/April 1992, NAL hosted the first Roundtable, entitled "Information Transfer in a Global Economy: Forging New Connections," to begin to explore possibilities for developing future cooperative relationships in information exchange, particularly through the use of new technologies.

The precedent-setting Roundtable was successful in opening channels of communications that are laying the foundation for stronger ties between and among U.S. and Central European agricultural library institutions.



Participants in the second U.S./Central European Agricultural Library Roundtable gathered together for the signing of documents committing their institutions to cooperation.

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István Gyürk (right), Joseph Howard (center), and Zsolt Pintér (speaking) opened the roundtable in Budapest.

The focus since the first Roundtable has been to identify more clearly the immediate needs at individual institutions and assess how NAL might be of assistance. Although NAL receives no appropriated funds for this purpose, it has been able to provide assistance, on a limited scale, in the following areas:

- facilitating in-country networking among agricultural librarians and librarians from other institutions and between agricultural librarians and researchers and other users of agricultural information;
- launching a surplus serials program with the assistance of USDA scientists and others;
- furnishing technical guidance, especially in the areas of library automa-

In the photo on the first page (left to right) are Jana Bradac (Slovenia); Ilona Dobelniec (Latvia); Renata Niauriené (Lithuania); Aine Kriegerberg (Estonia); Ivo Hoch (Czech R.); Laura Demetrovici (Romania); Jerzy Rasinski (Poland); Erika Pápay Gulácsiné (Hungary), holding the formal document; Letitia Goia (Romania); Joseph Howard (U.S.); Andrejka Svorenová (Slovak R.); and Heroina Deliu (Albania).

tion and grantsmanship;

- offering document delivery and reference services assistance on a pilot basis; and
- increasing awareness of the Roundtable initiative within the land-grant library community, with the prospect of encouraging involvement in university projects targeted for this region of the world.

### Second Roundtable

During the first Roundtable, Dr. István Gyürk, General Director of the Department of Research and Development at the Hungarian Ministry of Agriculture, summarized the consensus of the group by stating that a key transitional element in the progress of agriculture will be improved and more rapid access to scientific and technical information. Further, the development of a new information infrastructure will enable all of us to become more fully integrated into the scientific and technological information systems of the world. At the conclusion of the Roundtable, Dr. Gyürk extended an invitation to the group to meet again in Budapest to continue working toward building and improving an infrastructure for networking agricultural information.

The second Roundtable was made possible through support from the Hungarian Ministry of Agriculture and the National Committee for Technical Development, major sponsors of the Roundtable. Assistance was also provided from the USDA Office of International Cooperation and Development (OICD) and the Associates of the National Agricultural Library. For this second session, participating institutions were expanded to include representation from Albania, Estonia, Latvia, Lithuania, and Slovenia (see list of participants, pages 4 and 6).

### Highlights of the Second Roundtable

The agenda for the second Roundtable encompassed revisiting issues raised at the first Roundtable, receiving reports on progress made in the last year at individual institutions, and learning about the agricultural library and information structure and situation within the newly participating member countries. NAL's program responded to various needs for technical assistance and training echoed at the first Roundtable. These activities are summarized below:

- Presentation of a CD-ROM workstation and agricultural databases on CD-ROM to the Hungarian National Agricultural Library, and demonstration of their use. Through a USDA/OICD supported grant, NAL staff presented a training session on information retrieval using CD-ROM. Featured databases included various agricultural full-text and image products that NAL has developed in cooperation with other organizations as well as bibliographic databases. The CD-ROM's also were provided to each participating institution.
- Demonstration of digitized document delivery via Internet using a packet radio interface. Technology demonstrating the potential of packet radio as an interface for linking to the Internet was demonstrated during the Roundtable. Electronic documents were digitally transmitted from North Carolina State University through the Inter-

net to the Hungarian National Academy of Science and from there to the conference site using a packet radio link.

- Development of grant proposals and identification of potential funding sources. Grant proposals were developed in several critical areas by NAL staff at the request of the Central European agricultural libraries. The following proposals were reviewed and revised at the Roundtable and will be used as a basis for attracting resources from foundations and other organizations:

■ "Strengthening Human Resources in the Agricultural Information Sector"

■ "Creation of a CD-ROM Based-Technology Capability for Accessing Agricultural Information"

■ "Digitizing Agricultural Literature"

■ "Network Connectivity to Enhance Access to Agricultural Information"

■ "Establishment of an Integrated Library System"

The Roundtable program concluded with the signing of a Joint Program of Cooperation. The signing of the agreement by all participants represents a general intention to cooperate to enhance access to agricultural information on a global scale. This document will serve as the basis from which future collaborative efforts will be negotiated. Areas mentioned in the agreement for continued or improved cooperation include: personnel exchanges; document exchange and delivery; and joint production and development of electronic information systems and products on subjects of mutual interest.

### Conclusion

Over the past 2 years, through the receipt of small grants and in-kind and other types of support, the Roundtable



Joseph Howard makes a presentation giving background of NAL's mission, programs, services and cooperative activities.

been successful in maintaining an ongoing dialogue, installing and demonstrating prototype technology, and beginning to construct an agenda for addressing future networking of agricultural information. As a group, we now feel positioned to move forward in seeking greater support which will empower agricultural libraries and information centers throughout Central Europe to work with NAL to keep pace with the ongoing internationalization of scientific and technical information.

As mentioned earlier, NAL does not have appropriated funds to support the type of broad-based initiatives necessary for establishing and maintaining technology-based agricultural library and information systems within Central Europe. What NAL can do is play a coordinating role, sharing the expertise the library has gained as one of the foremost agricultural libraries and a leader in agricultural information technology.

Expectations are high that the relationships begun in 1991 will continue to grow and evolve and, in the future years, come to serve as a model for developing similar ties with other parts of the world. For the immediate future, a third Roundtable is planned for September 1993 in Poland. It will

be hosted by the Central Agricultural Library in Warsaw, under the leadership of the library's director, Dr. Jerzy Rasinski. A Program Planning Committee will be formed from nominated participants from Poland, Hungary, and the United States.

Ongoing activities between NAL and Central Europe will continue to be reported in *ALIN* as they occur. For further information about this initiative, contact:

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### Note:

The papers from the second Roundtable will be published in upcoming issues of the *IAALD Quarterly Bulletin*. The Proceedings of the first Roundtable will be published in the *Journal of Agricultural & Food Information* this Spring. A videotape production of the first Roundtable, consisting of 12 tapes, is available on loan from NAL upon request.



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October 5-9, 1992

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Joseph H. Howard

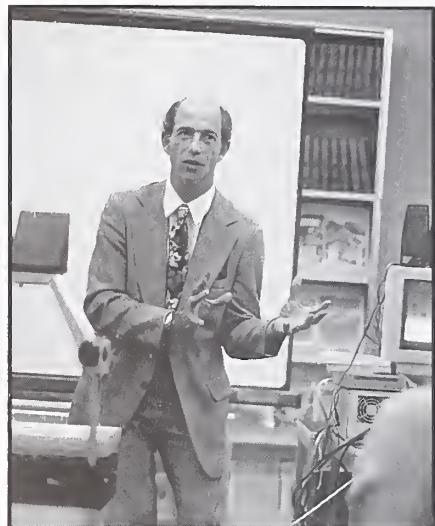
USDA photo



**Maria G. Pisa**



**Keith W. Russell**



**Karl Schneider makes a point while demonstrating databases on CD-ROM.**

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**John Ulmschneider**, Librarian  
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[Served as translator for Roundtable]

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**Ms. Pápay Gulacsiné and Mr. Horvath present the Hungarian National Agricultural Library to the participants in the Roundtable events.**





John Ulmschneider (above left) discussed the use of electronic media for digitized document delivery and the U.S. land-grant university project, and joined Dwayne Hendricks (above center) and Edwin Brownrigg (above far right) to demonstrate use of a packet radio interface for digitized document delivery via Internet.



Jerzy Rasinski looks up at the antenna used for the packet radio (straight line up through the trees), while he, Danuta Pielak, and one of its demonstrators, Edwin Brownrigg (sitting), catch Keith Russell's camera eye.

## NAL/Central European Countries Agree to Cooperate

by Brian Norris  
Public Affairs, NAL

The National Agricultural Library has signed an agreement to cooperate more closely in exchanging agricultural information with NAL's counterparts in nine central European countries. The agreement is with agricultural libraries in Albania, the Czech-Slovak Federal Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, and Slovenia. The agreement was signed at meetings in Budapest, Hungary, in early October.

Speaking of the agreement, Joseph H. Howard, NAL Director, said it "will benefit the entire agricultural community and ultimately the people of each participating country." He stated that "with this agreement, we have joined together to enhance access to agricultural information on a national and international scale both within respective countries and between one another," Howard said.

Referred to as a "Joint Program of Cooperation," the agreement outlines

general areas of interest that will serve as a long-range agenda for further discussions and negotiations between the participating countries.

Some areas of interest are:

- Continued and improved exchange of agricultural materials;
- Exchange of personnel in order to learn about one another's agricultural library systems;
- Cooperation in producing electronic information systems and products on subjects of mutual interest; and
- Increased cooperation in strengthening document delivery.

"This agreement will benefit the entire agricultural community and ultimately the people of each participating country."

The Joint Program of Cooperation resulted from the first U.S./Central European Agricultural Library Roundtable held in Beltsville on November 12-20, 1991. NAL, working in conjunction with the Associates of the National Agricultural Library, arranged this roundtable in an effort to develop relationships with the revitalized central European countries fol-

"With this agreement, we have joined together to enhance access to agricultural information on a national and international scale both within respective countries and between one another."

lowing their establishment of new governments.

Institutions signing the Joint Program of Cooperation at a second roundtable held in Budapest, October 5-8, 1992, and sponsored by the Hungarian Ministry of Agriculture, are:

*The National Agricultural Library, Beltsville, Maryland, U.S.A.*

*The Scientific Library of Agriculture, Tirane, Republic of Albania*

*The Institute of Scientific & Technical Information for Agriculture Prague and Nitra, Czech-Slovak Federal Republic*

*The Central Agricultural and Forestry Library, Prague, Czech-Slovak Federal Republic*

*The Agricultural Library, Estonia Agricultural University, Tartu, Estonia*

*The National Agricultural Library, Budapest, Hungary*

*The Fundamental Library, Latvian University of Agriculture, Jelgava, Latvia*

*The Agricultural Library, Ministry of Agriculture, Vilnius, Republic of Lithuania*

*The Central Agricultural Library, Warsaw, Poland*

*The University of Agricultural Sciences Library, Cluj-Napoca, Romania*

*The University of Agricultural Sciences Library, Timisoara, Romania*

*The Central Biotechnical Library, University of Ljubljana, Ljubljana, Slovenia.*



**Jan Olsen discusses the Core Agricultural Literature Project at the Roundtable sessions in Budapest.**



**NAL Director Joseph Howard leads the ceremony at which the Roundtable participants signed the agreement committing the institutions they represent to cooperation by signing for the National Agricultural Library.**

## **NAL Aids Agricultural Libraries in Central Europe**

by Brian Norris  
Public Affairs, NAL

From gifts of agricultural books, to lessons in writing grant proposals, to assistance in setting up electronic information management systems, the National Agricultural Library is working to forge new and lasting ties with newly reorganized Central European countries.

"We see what is going on in Central Europe today as opportunity," said NAL Director Joseph H. Howard, "opportunity to exchange agricultural information, to share library methods and procedures, to develop mutually beneficial relationships, and ultimately to encourage the emerging democracies."

Howard also predicted that with new freedoms in many of the Central European countries will come a renewed interest in agricultural research in these countries.

"Now that we are friends, we can exchange research results and hopefully build on one another's research. The whole world can only benefit from such an arrangement," Howard said.

NAL began cultivating relationships with Central European countries in 1991, when the library arranged and sponsored the first U.S./Central European Agricultural Library Roundtable held November 12-20 at NAL in Beltsville, Maryland.

"The first roundtable gave us all a chance to get to know one another, where our interests were, where we might be able to help each other," Howard said.

During this first meeting, NAL demonstrated several of the electronic information management systems it has developed or adopted to manage NAL's huge collection of agricultural

literature. The Central Europeans had nothing comparable and became enthused and anxious to develop similar systems for their libraries. This may be several years in coming, however.

"They have wonderful collections of agricultural materials," Howard said, "but unfortunately they are even more strapped than the rest of us for resources needed to maintain their collections."

**"We see what is going on in Central Europe today as opportunity ... to exchange agricultural information, to share library methods and procedures, to develop mutually beneficial relationships, and ultimately to encourage the emerging democracies."**

Howard said the Central European agricultural librarians were looking to NAL to help them with funds to upgrade their libraries, but NAL operates under its own tight budget and has no appropriated funds for this purpose.

"However," Howard said, "we have tried to give them the benefits of our experience in finding grants to fund new programs."

The Central Europeans had little experience in ferreting out and requesting grants. NAL introduced those who participated in that first roundtable to the sometimes confusing world of private and government grants. As follow-up to this introduction, NAL is helping the agricultural libraries of Central Europe to develop grant requests in the areas of training, automation, and networking.

Of a more immediate nature, NAL, following the first roundtable conference, began sending surplus copies of agricultural serials and research materials to the Central Europeans, allowing them to build their collections. For many years, NAL has had similar arrangements with developing coun-

tries in Africa and Latin America.

Building on the success of the first conference, a second U.S./Central European Agricultural Library Roundtable was held in Budapest, Hungary in October 1992.

One highlight of the conference was the signing of a formal agreement between all participants "to join together to enhance access to agricultural information on a national and international scale." The agreement outlines general areas of interest and will serve as a "long-range agenda for further discussions and negotiations."

Areas mentioned in the agreement for continued or improved cooperation are: personnel exchanges in order to learn about other countries' library systems; document exchange and delivery; and collaboration in producing electronic information systems and products on subjects of mutual interest.

NAL took a major step in this last area, when it demonstrated, at the conference site in Budapest in November, the use of Internet, the National Science Foundation's electronic network, to deliver documents from the United States to Budapest.

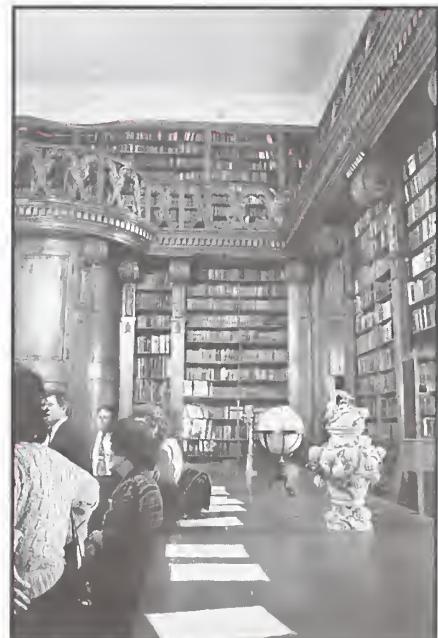
**"The Central European Libraries have wonderful collections of agricultural materials but unfortunately they are even more strapped than the rest of us for resources needed to maintain their collections."**

In all, NAL has high hopes that the relationships it began developing with the Central Europeans in 1991 will continue to grow and, in the years to come, will benefit all of the countries involved, and maybe more. According to Howard, "the excellent working relationships the national agricultural libraries of the United States and Central Europe have forged should be a positive example to countries throughout the world."

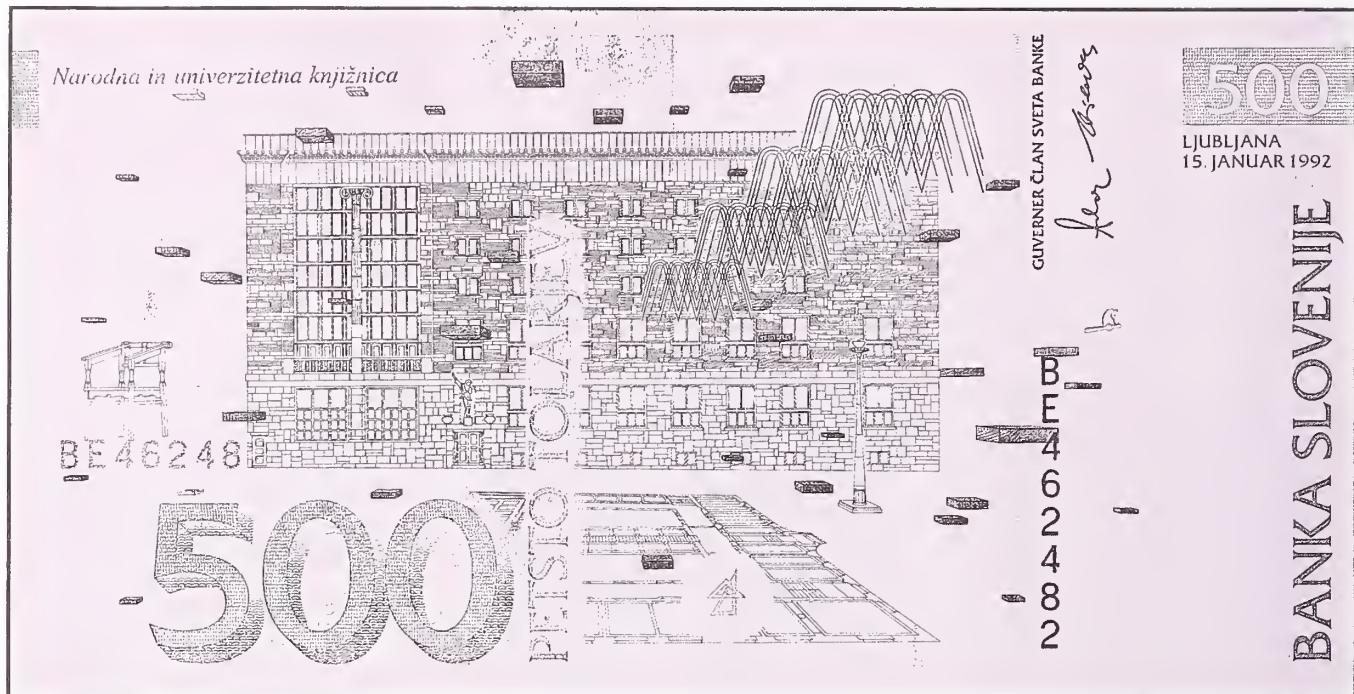
**"Now that we are friends, we can exchange research results and hopefully build on one another's research. The whole world can only benefit from such an arrangement."**

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Roundtable participants receive an orientation lecture in the richly ornamented library at the Festetics-Castle in Keszthely.



## Slovenian National Currency and Its Homage to Librarianship

by Tomaz Bartol, MSc.  
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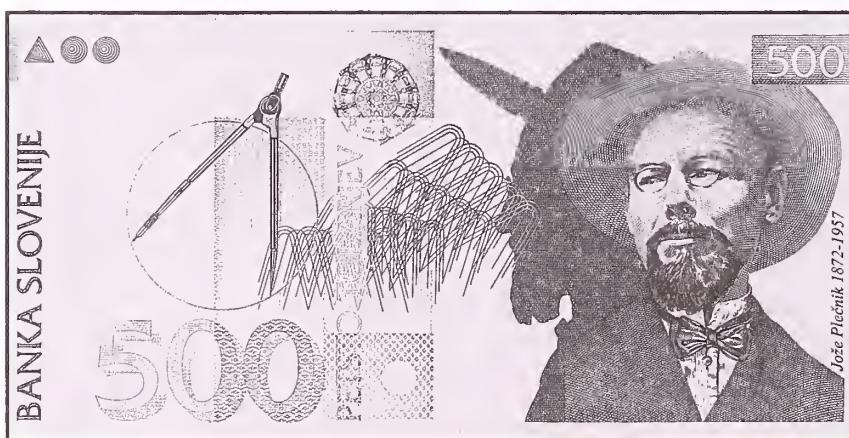
The newly independent central European nation of Slovenia has decided to pay homage to librarianship by having chosen the National

and University Library of Slovenia as a symbol on the reverse of one of the bank-notes of the new Slovenian currency, *tolar* (*SIT*). The library was built by the world-renown Slovenian architect, Jozef Plečnik, and is considered his most majestic secular edifice. The building boasts a splendid facade made of native stones and bricks and a mighty peristyle-like interior made of luxurious native black marble.

The library's seeds were 20,000 documents from an old Jesuit college, kept later in a Lyceum Library. The Lyceum Library was the first public library in Ljubljana and was supposed

to safeguard all the documents issued in the historic Slovenian province of Carniola. The precious collection which had grown over the centuries was transferred to its present site only shortly before the beginning of the World War II.

Among hundreds of thousands of precious books, incunabulae, and manuscripts, there are treasures of supreme value to the Slovenian people, such as a Slovenian-language Bible printed in the 16th century. The library is the pride of Slovenia and of the University of Ljubljana, and it has become the symbol of our centuries-old struggle for identity and freedom.



At the top is an enlarged view of the reverse of one note of Slovenian currency showing the National and University Library of Slovenia.

At left is a reduced view of the face of the same note showing Jozef Plečnik, 1872-1957, the architect of the library.

# Central Agricultural and Forestry Library, Prague, Czech Republic

by Dr. Ivo Hoch, Director

In connection with the changes in the constitutional system of Czechoslovakia—split into republics—the Czech and Slovak Republics, some changes occurred in the former Institute of Scientific and Technical Information for Agriculture, Prague (ISTIA), part of which is also the Central Agricultural and Forestry Library (CAFL). The federal institution, ISTIA, was dissolved by December 31, 1992. Since January 1, 1993, it has been affiliated and joined to the Centre of Food Information (CFI), established by separation from the Research Institute for Food Production, Prague. Based on a decision made by the Minister of Agriculture of the Czech Republic, Mr. Josef Lux, a new institution has been created—the Institute of Agricultural and Food Information. Mr. Ctibor Perlin, PhD., has been appointed as the director of this institution.

A part of this new Institute is the Central Agricultural and Forestry Library, whose director is still Ivo Hoch, and the Central Food Library, a part of CFI, managed by Ms. Jana Skládalová, PhD. Collections of the Central Food Library contain about 30,000 books, research reports, reports of business trips, and special collections from the field of food production.

The affiliate of the former ISTIA in Slovakia (ÚVTIP) at Nitra is independent since January 1, 1993, and is subordinated to the Ministry of Agriculture of the Slovak Republic. Its director is Mr. Michal Demeš. Dr. Andrejka Svorenová is the manager of the Library.

In the Czech part of the former ISTIA there were some labor forces dismissed—about 50 persons. The CAFL staff included 35 new persons, the Central Food Library has a total of 10 persons.

A computer network was installed at the CAFL by the end of the last year; now the preparatory phase is culminating for cataloging of books on computers.



(Above) Peter Horvath and Dr. András Pétervári speak to the Roundtable participants at the Pannon Agricultural University in Keszthely.



(Above right) Roundtable participants and hosts walk on the grounds of the Festetics-Castle in Keszthely.



(Right) Roundtable participants sample juices and wines produced at the Budacsony State Farm.

# Mike Espy Takes Over at Helm of Agriculture Department as 25th Secretary

by Ron Hall  
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On January 22 Mississippi Congressman Mike Espy officially became the 25th Secretary of Agriculture. He succeeded Edward Madigan, who had served as Secretary from March 8, 1991, until he resigned on January 20.

Espy, 39, assumed office at a January 22nd White House ceremony in which he and 15 fellow appointees for high-echelon, mostly cabinet-level, positions were sworn in as a group. The swearing-in took place one day after his nomination as Agriculture Secretary had been confirmed by the full U.S. Senate in a voice vote. Previously, the Senate Committee on Agriculture, Nutrition, and Forestry had unanimously approved his nomination by voice vote on January 19.

Until his recent selection Espy had represented the 2nd Congressional District of Mississippi in the U.S. House of Representatives since January 1987. That District includes the Delta and parts of Jackson, Mississippi.

While in Congress Espy served on the House Agriculture Committee, the House Budget Committee, and the House Select Committee on Hunger. He has served as vice chair of the House Rural Caucus and vice chair of the Democratic Leadership Council, and was a member of the Congressional Black Caucus.

Prior to his election to Congress Espy had served in Mississippi as an assistant attorney general in charge of the consumer protection division from 1984-85 and as an assistant secretary of state for public lands in Mississippi from 1980-84. A native of Yazoo City, Mississippi, he holds a B.A. degree in political science from Howard University in Washington, D.C., and a law degree from the University of Santa



photo: Byron Schumaker, USDA

Mike Espy, [then] a member of the U.S. House of Representatives representing the 2nd Congressional District of Mississippi, makes a point during his confirmation hearing before the U.S. Senate Committee on Agriculture, Nutrition, and Forestry on January 14. The Committee was reviewing his nomination to be Secretary of Agriculture. It subsequently unanimously approved his nomination by voice vote on January 19, and the full U.S. Senate confirmed him in a voice vote on January 21. Espy was then officially sworn in on January 22 as USDA's 25th Secretary.

Clara Law School in Santa Clara, California.

His late father, Henry Espy, worked as an Extension Service county agent in Arkansas from 1937-44. According to

Doug Bowers, a historian with the Economic Research Service, Espy is the only person from the Deep South to head USDA.

[Reprinted from *USDA News* with permission of Ron Hall, editor.]



## Technology Applications

### networking@nal

by Bill Feidt ([wfeidt@nalusda.gov](mailto:wfeidt@nalusda.gov))  
Head, Library Automation Branch

#### New Internet Addresses for NAL Staff

NAL staff will be receiving new Internet e-mail addresses soon. The testing of our NALnet e-mail system was successfully completed January 31, 1993. Those who took part in our user-test seemed to be very favorably impressed with our new e-mail software, PINE. Staff will be gradually transitioned from the ARS asrr VAX to the nalusda Sun computer over the next three months.

For those who use Internet to communicate with NAL staff, this will mean having to learn new e-mail addresses.

Until now, most NAL staff have had Internet e-mail accounts on a VAX computer owned by ARS where their Internet addresses have been of the form, "user@asrr.arsusda.gov." For example, my asrr e-mail address is: [wfeidt@asrr.arsusda.gov](mailto:wfeidt@asrr.arsusda.gov). As users move to the NALnet machine (known as "cliff," after the letter carrier on 'Cheers'), their new addresses will take the form, "user@nalusda.gov." My new address will be: [wfeidt@nalusda.gov](mailto:wfeidt@nalusda.gov). Other staff addresses will be constructed in a like manner, i.e., initial + lastname@nalusda.gov.

"But, how can I know when the person with whom I communicate has been moved to the new machine?" I can hear you asking. Not to worry. Mail sent to an old asrr address will be automatically forwarded to NALnet for three months. In addition, as part of

our transition training, we are reminding staff to be sure to inform their correspondents of their new addresses. So, continue to send mail to the asrr addresses until your colleagues inform you of their new addresses.

All in all, we expect a relatively smooth transition. Should you have difficulty in making Internet connections with a colleague here at the National Agricultural Library, however, just send a note describing the problem to: [postmaster@nalusda.gov](mailto:postmaster@nalusda.gov). One of our networking staff will look into the problem and get back to you.

### NATDP Announces the AQUA2 CD-ROM

by Judith A. Zidar  
Coordinator, Text Digitizing, NAL

The National Agricultural Text Digitizing Program has begun distributing the AQUACULTURE II CD-ROM, which contains the full text and page images of 155 reference publications on the topic of aquaculture. This is the second CD-ROM to be produced by NAL's text digitizing program, making the included references more widely available and the information easier to retrieve. Non-copyrighted technical reports, fact sheets, guides, handbooks, and other materials were selected by NAL's Aquaculture Information Center (AIC) for inclusion on this disc. They represent some of the AIC's most fre-

quently requested materials.

The database can be searched using either of two retrieval packages included on the CD-ROM. They are: Windows Personal Librarian (WPL) and I-Search, both from Personal Library Software of Rockville, Maryland.

WPL can retrieve both the full text and the page images. System requirements are:

- MS-DOS 3.3 or higher
- MS-Windows 3.0 or 3.1
- MS-DOS CD-ROM Extensions 2.0 or higher
- Mouse or other pointing device
- A minimum of 2 MB of extended memory (although 4 MB or more is recommended)
- 4 MB free hard disk space

To run WPL efficiently, the computer should be an 80386 or faster. Any monitor and laser printer compatible with MS-Windows 3.x can be used to display and print the images.

I-Search can retrieve the full text documents, though NOT the images. It runs under Dos 3.3 or higher on any IBM-compatible PC or AT. It is intended for use on computers that are not running MS-Windows 3.x.

In addition to NAL funds, Aqua2 was supported financially by the Joint Subcommittee on Aquaculture and by the land-grant libraries that participated in the 6-year NATDP pilot study. Thanks to this support, NAL is distributing Aqua2 free of charge to the land-grant libraries and to others in the agriculture community who request it.

To obtain a free copy of Aqua2, send a self-addressed mailing label with the request to:

*Deborah Hanfman, Coordinator  
Aquaculture Information Center  
National Agricultural Library  
10301 Baltimore Boulevard  
Beltsville, Maryland 20705-2351*





AGRICOLA



New  
Publications  
of Note

## NAL Offers AGRICOLA Database Courses

The National Agricultural Library is offering several workshops on the AGRICOLA (*AGRICultural OnLine Access*) bibliographic database during the remainder of Fiscal Year 1993. The workshops are designed to give those who routinely need agricultural information workable knowledge of AGRICOLA, the world's most extensive agricultural bibliographic database.

AGRICOLA is a computer database (available online and on CD-ROM) containing more than 3 million bibliographic citations to literature on all aspects of agriculture, including plant and animal science, economics, food and nutrition, forestry, entomology, engineering, and rural sociology. AGRICOLA contains records for journal articles, monographs, bibliographies, theses, patents, software, audiovisual materials, and technical reports from 1970 to the present. Most of the literature cited in AGRICOLA is contained in the NAL collection. As one of the three national libraries of the United States and the largest agricultural library in the world, NAL is the nation's primary source for agricultural information.

NAL is offering both basic and advanced workshops in the use of AGRICOLA and instruction in USDA's Current Research Information System (CRIS). The basic workshop includes instruction in using DIALOG command protocols, an introduction to AGRICOLA, and information on other agricultural databases. The workshop is designed for those with little or no previous experience in online database searching; however, a background in information retrieval or experience with computers is helpful. The advanced workshop offers a more in-depth look at the files and fields of AGRICOLA. One-day courses on CRIS are also available.

The workshops will be held in Beltsville, Maryland, April 5-9, July 12-16, and September 20-24, and in Washington, D.C., May 17-21.

To obtain a brochure and registration form, please send a self-addressed mailing label with the request to:

*National Agricultural Library  
AGRICOLA/CRIS Workshops  
Educational Programs Unit, Room 301B  
10301 Baltimore Boulevard  
Beltsville, MD 20705-2351*

Additional information on the workshops is also available by contacting NAL at (301) 504-5204 or CRIS at (301) 504-6846; TTY: (301) 504-6856; FAX: (301) 504-5472.

## Updated Global Change Info Packet Available

An updated information packet on global climate change is available from the National Agricultural Library. This second edition issued September 1992 updates the global climate change information packet NAL originally made available in August 1991.

The packet of information, prepared by NAL, describes the concerns surrounding global climate change and its potential effects, lists books and journal articles which discuss these concerns more fully, and describes how to obtain additional information. The packet includes materials both supporting and rejecting the global change concern.

Recent scientific observations have led to concern that human activities could be adversely affecting the Earth's climate. In particular, much attention has been focused on global warming or an accelerated "greenhouse effect" which suggests that more of the Earth's heat will be retained in the atmosphere by increasing amounts of heat-absorbing trace gases such as carbon dioxide, chlorofluorocarbons (CFCs), and methane produced as a result of human activities. Scientists believe that if such a warming of the Earth's climate were to occur, it would have serious consequences for human activities, including agriculture and forestry.

—Introduction to Global Change Packet.

"We've prepared this packet to provide information to the general public," said Keith Russell, NAL Associate Director for Public Services and a member of the U.S. Department of Agriculture's Global Change Research Team. "We are making no judgments, but are only trying to provide relevant information that will help to educate the average citizen

on the issue of global change."

#### Contents of the packet include:

- "Global Change Information Packet: Global Climate Change," an introduction and contents sheet;
- "Global Climate Change and Agriculture, A Summary" by Susan Whitmore;
- "Chronology of Global Climate Change" by Jayne MacLean;
- "Global Climate Change, Selected Annotated Bibliography" by Douglas Jones;
- "Directory of Organizations Concerned with Global Climate Change" by Janet Wright;
- "Global Climate Change Pathfinder, A Guide to Information Sources" by Chestalene Pintozi and Douglas Jones;
- "Global Warming and the Greenhouse Effect," January 1986-January 1982, NAL Quick Bibliography 92-36, by Jayne MacLean;

and reprints of the following articles:

- "A Second Look at the Impacts of Climate Change" by Jesse H. Ausubel, *American Scientist*, v. 79, May-June 1991;
- "The Global Warming Panic" by Warren T. Brooks, *Forbes*, December 25, 1989;
- "Global Climate Change" by Richard A. Houghton and George M. Woodwell, *Scientific American*, v. 260, # 4, April 1989;
- "Overview of Global Environmental Change: The Science and Social Science Issues" by William W. Kellogg, *Marine Technology Society (MTS) Journal*, Fall 1991;
- "A Character Sketch of Greenhouse" by David Rind, *EPA Journal*, January/February 1989.

For a copy of the Global Change

"We are making no judgments, but are only trying to provide relevant information that will help to educate the average citizen on the issue of global change."

Information Packet send a request with a self-addressed mailing label to:

Reference Section, Room 111  
National Agricultural Library  
10301 Baltimore Boulevard  
Beltsville, MD 20705-2351

Questions or comments about the information packet should be directed to Janet Wright:

(202) 720-3434;  
TTY: (301) 504-6856;  
FAX: (202) 720-0342

## NAL Plays Key Role in *E. coli* Response

by Brian Norris  
Public Affairs, NAL

Perhaps known by few, the National Agricultural Library played a critical role in the federal government's response to the recent outbreak in the western United States of food-poisoning traced to *Escherichia coli* 0157 (*E. coli*), a strain of bacteria.

To assist government officials in dealing with the food poisoning outbreak, NAL undertook a crash effort to identify information that is contained in the NAL collection and the collections of other major research libraries.

In a matter of hours after receiving the request for assistance, NAL staff had produced a bibliography about the bacterial strain and was providing copies of 65 key articles to officials of the Food Safety and Inspection Service (FSIS) of the U.S. Department of Agriculture (USDA).

NAL Director Joseph Howard expressed pride in the response of NAL

staff to this critical need for information. "NAL received the request for information on the afternoon of January 28," Howard said. "Within minutes, we had completed an exhaustive literature search of pertinent databases, including our own database, AGRICOLA, and were providing the information to FSIS. Copies of the materials were available within a couple of hours." According to Howard, "this case illustrates the importance both of having quick access to scientific information maintained by the nation's research libraries, and of the electronic information management technologies being used by research libraries to provide that quick access."

"NAL received the request for information on the afternoon of January 28. Within minutes, we had completed an exhaustive literature search of pertinent databases, including our own database, AGRICOLA, and were providing the information to FSIS. Copies of the materials were available within a couple of hours."

NAL used a combination of CD-ROM and computer-network technology to identify, gather, and provide the needed information.

A comprehensive bibliography containing more than 400 citations to information sources published since 1985 on *E. coli* 0157 is now available free of charge to anyone interested in the subject. To obtain a copy of the bibliography, *Special Reference Brief 93-02, "Escherichia coli 0157,"* send a self-addressed label with the request to:

*E. coli Special Reference Brief (93-02)*  
Reference Section, Room 111  
National Agricultural Library  
10301 Baltimore Boulevard  
Beltsville, MD 20705-2351

For additional information call:  
(301) 504-5479; TTY: (301)  
504-6856; or (202) 720-3434





## Staff Update

### MacLean Retires



photo: J. Swab

Jayne MacLean

Jayne MacLean came to NAL in December 1970, after completing her Masters degree in Library Science at the University of Maryland. A native of Worcester (Wooster), Massachusetts, where she lived most of her life before coming to the Washington area in 1966, Jayne is a graduate of the College of William and Mary where she earned a B.A. in English literature.

In 1973 Jayne became the librarian at NAL's branch library at the U.S. National Arboretum in Washington, DC. As branch librarian, she provided all services and converted the collection to the Library of Congress cataloging system. While at the Arboretum, she became

an active member of the Council on Botanical and Horticultural Libraries (CBHL), and later in her career served as the Council's Secretary (1982-89) and as its President (1990-91).

In 1978, after 5 years at the Arboretum, Jayne returned to the main library in Beltsville to serve as a reference librarian. For the past 7 years, Jayne has been the Coordinator of the Alternative Farming Systems Information Center (AFSIC). In this position she has worked with other pioneers in the field to further the cause of sustainable agricultural practices.

In addition to receiving numerous Certificates of Merit from NAL, Jayne was recognized with a "Safe Food Trailblazer" award in 1990 by the Center for Science in the Public Interest (CSPI) for leadership in developing AFSIC, and for "making it an increasingly valuable and accessible national resource for extension workers, researchers, scientists, and others interested in alternative farming methods." She was one of the first USDA employees to openly support alternative agriculture, and is recognized nationally for her role in the sustainable agriculture movement.

She helped to create and implement an oral history



photo: J. Swab

(L-R) Ken and Jayne MacLean with their daughter Gail and her husband Matt Loeffler.

program [with Jane Gates—*ed.*], in which leaders in the sustainable agriculture movement were interviewed on video tapes. Jayne's other work to further the goals of sustainable agriculture included an audio news re-

headed SANLINK, the network's coordinating committee office.

Among Jayne's other areas of responsibility during her career at NAL were those of Coordinator

"It is her steadfastness, her professionalism, her contacts, really her commitment to the interrelationships between all of us—the libraries, the librarians, and all of our users—that is really the driving force and inspiration of Jayne. Because wherever she comes—whether we're working in a small library with only a few thousand volumes, or the National Agricultural Library, or any of us in between—she's got the concern, she's got the intelligence, to be able to guide and to interface and to help each of us with the other, and I think that is very, very special."

lease, "LISA and the Librarian," concerning USDA's LISA program—Low Input/Sustainable Agriculture, and numerous publications. She was a charter member of the Sustainable Agriculture Network, a consortium of universities, businesses, and nonprofit organizations; chaired the network's thesaurus committee; and

of the Horticulture Information Center during its several years of existence; Publications Coordinator for the Public Services Division; and serving on various NAL taskforces or committees. In addition, Jayne has written extensively, including the review and update of the 1987 edition of Collier's Encyclopedia bib-



photo: J. Swab

**Jim Duke, ARS scientist serenades Jayne MacLean at her retirement luncheon.**

liography on agriculture and gardening, and the compilation of innumerable *Quick Bibliographies* for NAL.

Among the dozen or so speakers at Jayne's retirement luncheon who paid tribute to her accomplishments and contributions was John Reed, Director of The New York Botanical Garden Library and Treasurer of the Council on Botanical and Horticultural Libraries. Speaking of Jayne's past and anticipated continuing role in the profession and the Council, Reed said, "It is her



photo: J. Swab

**John Reed added high praise for Jayne.**

steadfastness, her professionalism, her contacts, really her commitment to the interrelationships between all of us—the libraries, the librarians, and all of our users—that is really the driving force and inspiration of Jayne. Because wherever she comes—whether we're working in a small library with only a few thousand volumes, or the National Agricultural Library, or any of us in between—she's got the concern, she's got the intelligence, to be able to guide and to interface and to help each of us with the other, and I think

that is very, very special."

After retirement Jayne plans to undertake a temporary assignment with the USDA Sustainable Agriculture Research and Education program, and is contemplating opportunities in consulting. Otherwise, she says she will opt for a more relaxed lifestyle with her family: husband, Ken, and daughter and son-in-law, Gail and Matt Loeffler.

—Jane Gates, Robyn Frank, Joe Swab

## In Memoriam, Robert Warmbrodt

On December 15 the National Agricultural Library regretfully learned of the death of Dr. Robert D. Warmbrodt, who had been coordinator of NAL's Biotechnology Information Center since December 17, 1990. Warmbrodt, 45, died of AIDS-related complications. Memorial services and interment were held by his family in Missouri.

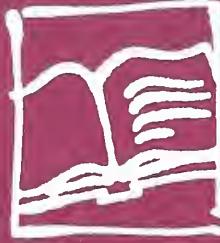
Dr. Warmbrodt had been a plant physiologist with 20 years of professional experience prior to joining the staff of the National Agricultural Library. He had conducted laboratory research in the Climate Stress and the Plant Physiology Laboratories at the ARS Beltsville Agricultural Research Center from 1978-90. His primary interests concerned the cellular and molecular aspects of photosynthetic partitioning.



A native of Boonville, Missouri, Dr. Warmbrodt had an AB degree in botany and chemistry from the University of Missouri-Columbia, and a master's degree in botany and a Ph.D. in botany and horticulture, both from the University of Wisconsin-Madison. He also was an Alexander von Humboldt Fellow at the University of Göttingen in Göttingen, Germany.

Dr. Warmbrodt's other work experience included research in horticulture at the University of Maryland-College Park and in botany at the University of Wisconsin-Madison; teaching assignments in botany at Ohio State University—Columbus and the University of Wisconsin-Madison; and a year collecting plants in Panama and Costa Rica for the Missouri Botanical Gardens.

As Coordinator of the Biotechnology Information Center, Dr. Warmbrodt managed the acquisition, compilation, and dissemination of information on the impact of the science of biotechnology on agriculture in the United States and the world. He was concerned with all aspects of agricultural biotechnology as well as the theory and techniques of genetic engineering, plant and animal tissue culture, risk assessment of the release of genetically-engineered organisms, and regulation of the field of biotechnology. He authored or co-authored numerous NAL publications, particularly in the two series *Quick Bibliographies* and *Bibliographies and Literature of Agriculture*, some of which are still in production and will be issued in 1993.



## New Bibliographies

The bibliographies in the *Quick Bibliography* series are primarily computerized online as batch bibliographies emanating from searches performed by the NAL Public Services Division Staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, and probable value to a larger audience. Since October 1988, all QB's include search strategies. Unless otherwise specified, citations are from AGRICOLA.

The other bibliographic series, including *Special Reference Briefs*, have been researched and produced to meet special needs of clientele of the Library and its Information Centers. Revisions or updates will be announced when produced. Only one copy of a requested title will be sent; however, requesters may make copies. To request a copy of a *Quick Bibliography*, *Special Reference Brief*, or other bibliographic work, circle the desired title(s) below and send your request with a self-addressed label to:

Reference Branch, Room 111  
National Agricultural Library  
10301 Baltimore Boulevard  
Beltsville, MD 20705-2351

### Quick Bibliographies

**Q.B.-93-03.** *Sustainable or Alternative Agriculture, January 1990-September 1992.* 438 citations in English. Prepared by Jane Potter Gates. Alternative Farming Systems Information Center. November 1992. Updates Q.B. 91-95.

**Q.B.-93-04.** *Forage Legumes, January 1988-September 1992.* 308 citations in English. Prepared by Jayne T. MacLean. Alternative Farming Systems Information Center. November 1992. Updates Q.B. 90-76.

**Q.B.-93-05.** *IPM and Biological Control of Weeds, January 1990-September 1992.* 414 citations in English. Prepared by Jayne T. MacLean. Alternative Farming Systems Information Center. November 1992. Updates Q.B. 91-70.

**Q.B.-93-06.** *Desertification, January 1985-September 1992.* 244 citations; languages: none excluded. Prepared by Carol A. Singer. D.C. Reference Center. December 1992.

**Q.B.-93-07.** *Housing, Husbandry, and Welfare of Beef Cattle, January 1980-November 1992.* 233 citations; languages: none excluded. Prepared by D'Anna Berry. Animal Welfare Information Center. December 1992.

**Q.B.-93-08.** *Gene Expression in Horticulture Crops, January 1991-October 1992.* 215 citations; languages: none excluded. Prepared by Robert Warmbrodt and Janet Saunders. Biotechnology Information Center. December 1992. Updates Q.B. 91-109.

**Q.B.-93-09.** *Housing, Husbandry, and Welfare of Horses, January 1984-September 1992.* 316 citations; languages: none excluded. Prepared by Cynthia Petrie Smith. Animal Welfare Information Center. December 1992. Updates Q.B. 91-04, Q.B. 91-05, Q.B. 91-06.

**Q.B.-93-10.** *Gene Expression in Algae and Fungi Including Yeast, January 1991-November 1992.* 137 citations; languages: none excluded. Prepared by Janet Saunders and Robert Warmbrodt. Biotechnology Information Center. January 1993. Updates Q.B. 91-110.

**Q.B.-93-11.** *Biotechnology and Bioethics, January 1985-December*

1992. 97 citations; languages: none excluded. Prepared by Daniel Cabirac and Robert Warmbrodt. Biotechnology Information Center. January 1993. Updates Q.B. 91-112.

**Q.B.-93-12.** *Biotechnology: Human Health and Nutrition, January 1985-December 1992.* 84 citations; languages: none excluded. Prepared by Daniel Cabirac and Robert Warmbrodt. Biotechnology Information Center. January 1993. Updates Q.B. 91-97.

**Q.B.-93-13.** *Biotechnology: Plant Protection from Nonviral Agents, January 1991-December 1992.* 306 citations; languages: none excluded. Prepared by Daniel Cabirac and Robert Warmbrodt. Biotechnology Information Center. January 1993. Updates Q.B. 91-82.

**Q.B.-93-14.** *Biotechnology: Ti-Plasmids and other Plant Vectors, January 1991-December 1992.* 323 citations; languages: none excluded. Prepared by Lara Wiggert and Robert Warmbrodt. Biotechnology Information Center. January 1993. Updates Q.B. 91-93.

**Q.B.-93-15.** *Biotechnology: Public Perception, January 1985-December 1992.* 103 citations; languages: none excluded. Prepared by Daniel Cabirac and Robert Warmbrodt. Biotechnology Information Center. January 1993. Updates Q.B. 91-151.

**Q.B.-93-16.** *Gene Expression in Field Crops, January 1991-November 1992.* 258 citations; languages: none excluded. Prepared by Janet Saunders and Robert Warmbrodt. Biotechnology Information Center. January 1993. Updates Q.B. 91-111.

**Q.B.-93-17.** *Alternative Farming Systems - Economic Aspects, January 1991-January 1993.* 306 citations; languages: none excluded. Prepared by Karl R. Schneider. Reference and User Services Branch. February 1993. Updates Q.B. 92-09.

## Special Reference Briefs

S.R.B.-93-02. *Escherichia coli O157.* 423 citations in English from *AGRICOLA*, *MEDLINE*, *BIOSIS Previews*, and *Food Science and Technology Abstracts* (Germany). Prepared by Ellen Kay Miller. D.C. Reference Center. February 1993. 88p.

## Agri-Topics

AT-93-01. *North American Free Trade Agreement (NAFTA); Mexico-United States-Canada Trade Accord.* Prepared by Mary E. Lassanyi. Agricultural Trade and Marketing Information Center. November 1992.

## Animal Welfare Information Center Series

A.W.I.C.-93-01. *Audio-Visuals Relating to Animal Care, Use, and Welfare.* 237 citations in English. Prepared by D'Anna Berry. Animal Welfare Information Center. Updates AWIC Series No. 7 (April 1991).

## Miscellaneous

*Bibliographic Series. Current Title Listing No. 7.* Compiled by Rebecca S. Thompson. Public Services Division. December 1992.

*Information Resources for Reptiles, Amphibians, Fish, and Cephalopods Used in Biomedical Research.* 371 citations in English. Prepared by D'Anna J. Berry, Michael D. Kreger and Jennifer L. Lyons-Carter. Animal Welfare Information Center. December 1992. 87p.

*Food and Nutrition Information Center Microcomputer Software Collection.* Prepared by Natalie Updegrove. Food and Nutrition Information Center. December 1992. Updates June 1992 edition.

*Index to USDA Technical Bulletins, Numbers 1-1802.* Prepared by Ellen Kay Miller. D.C. Reference Center. January 1993. 120p.

*Periodicals Pertaining to Alternative Farming Systems, February 1993.* Alternative Farming Systems Information Center. February 1993. 21p.



*Advances in Porous Media.* Amsterdam; New York: Elsevier; New York: Distributors for the U.S.A. and Canada, Elsevier Science Pub. Co. Vol. 1- 1991-

TA418.9.P6A36

*Analysis and Summary of Condition and Performance of the Farm Credit Banks and Associations.* [McLean, VA]: Farm Credit Administration, Office of Examination, Policy and Risk Analysis Division. Quarterly. 1991-HG2051.U6A25

*Archives of Virology. Supplementum.* Wien; New York: Springer-Verlag. Irregular. 1- 1991-

QR355.A72

*Chiba Kenritsu Chuo Hakubutsukan shizenshi kenkyu hokoku = Journal of the Natural History Museum and Institute, Chiba.* Chiba-ken Chiba-shi: Chiba Kenritsu Chuo Hakubutsukan. Annual. Dai 1-go (Heisei 2-nen [1990] 3-gatsu)-

QH7.C5

*Chung-hua kun chung = Chinese Journal of Entomology.* Chung-hua min kuo Tai-peh shih Chung-hua kun chung hsueh hui. Quarterly. Ti 1 chuan ti 1 chi (min kuo 70 nien 3 yuen [Mar. 1981])-

QL461.C465

*Chung-hua kun chung. Te kan = Chinese Journal of Entomology. Special Publication.* Chung-hua min kuo Tai-peh shih: Chung-hua kun chung hsueh hui. Ti 1 hao- 1987-

QL461.C4652

*CIFAR's Global Company Handbook: An Analysis of the Financial Performance of the World's Leading 7,500 Companies.* Princeton, NJ: CIFAR. Annual. 1992 ed.-

HG4009.C54

*City & State Directories in Print.* Detroit: Gale Research, Inc. Biennial. 1st ed. (1990-91)-

Z5771.C54

*Clinical Pearls: In Nutrition and Preventive Medicine.* Sacramento, CA: IT Service. Annual. Vol. 1- 1989-RM214.C64

*Colombia, sus gentes y regiones / Instituto Geográfico Agustín Codazzi.* Bogotá, Colombia: El Instituto. Quarterly. No. 1 (enero 1986)-

F2251.C735

*Comercio exterior, sistema de preferencias arancelarias generalizadas (SPG). Importaciones = Udenrigshandel, ordningen med generelle toldpræferencer (GSP). Import = External Trade, System of Generalized Tariff Preferences (GSP). Imports.* Luxembourg: Office des publications officielles des Communautés européennes. 1987-

HF3500.5.A15

*Corporate Foundation Profiles.* New York: Foundation Center. Irregular. [1st ed.] 1980-

HV89.A3C67

*Directory of Electronic Journals, Newsletters, and Academic Discussion Lists.* Washington, DC: Association of Research Libraries, Office of Scientific and Academic Publishing. Annual. 1st ed. (July 1991)-

Z6951.D625

*Environmental Industries Marketplace: Guide to U.S. Companies Providing Environmental Regulatory Compliance Products and Services.* Detroit: Gale Research, Inc. Annual. 1st ed.- c1992-

TD169.6.E5

*The Equine Athlete.* Santa Barbara,

CA: Veterinary Practice Pub. Co. Six no. per year. Vol. 1, no. 1 (Dec. 1988)-  
**SF956.E68**

*Evaluation Report: Report of the Executive Director.* Nairobi: United Nations Environment Programme. 1985-  
**HC79.E5U46**

*Faulkner & Gray's... European Business Directory.* New York, NY: Faulkner & Gray. Annual. 1992-  
**HC241.2.E97**

*FloraCulture International.* Mt. Morris, IL: International Horticulture Publications. Bimonthly. Nov. 1990-  
**SB403.F54**

*Florida Grower's Ornamental Outlook.* Orlando, FL: FGR, Inc. Bimonthly. Vol. 1, no. 1 (Jan./Feb. 1992)-  
**SB442.8.F66**

*Grants for Science Education / Howard Hughes Medical Institute, Office of Grants and Special Programs.* Bethesda, MD: The Office. Annual. 1989-1990-  
**R840.H68**



## Publications Exchange

### Serial Gaps

The National Agricultural Library identifies gaps in the national collection through collection maintenance activities and patron requests. We appreciate your donation of the following publications needed to complete collections. If you have questions, call Ruth Finnblade, Gift and Exchange Program, (301) 504-7061 [TTY (301) 504-6856].

Send items to:

HousePlant, Inc. Quarterly. Vol. 1, no. 1 (spring 1992)-  
**SB419.H64**

*Human Genome: Program Report.* Washington, DC: U.S. Dept. of Energy, Office of Energy Research, Office of Health and Environmental Research. Annual. 1989-90-  
**QH447.H84**

*Journal of Health Care for the Poor and Underserved.* Nashville, TN: Institute on Health Care for the Poor and Underserved, Meharry Medical College. Quarterly. Vol. 1, no. 1 (summer 1990)-  
**RA418.5.P6J68**

*The Journal of Protozoology Research.* Obihiro, Hokkaido, Japan: Obihiro University. Quarterly. Vol. 1 (15 Oct. 1991)-  
**QL366.J68**

*Journal of Small Fruit & Viticulture.* Binghamton, NY: Food Products Press. Quarterly. Vol. 1, no. 1- 1992-  
**SB354.J48**

*Kuang-hsi chih wu.* [Kuei-lin shih: Kuang-hsi chih wu hsueh hui: Kuang-hsi chih wu yen chiu so]. Quarterly. 1:1

([1981 nien 3 yueh i.e. Mar. 1981])-  
**QK355.K795**

*Monitoring Report, Land and Resource Management Plan / Wenatchee National Forest.* Wenatchee, WA: Forest Service, U.S. Dept. of Agriculture. Annual. Fiscal year 1990-  
**aF897.W46M66**

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Vol. 5 (Aug.), 1985.

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*Plasmid.* Vol. 13 (2), 1985.

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*Tufts University Diet and Nutrition Letter.* Vol. 2 (1-2, 5-8), 1984; Vol. 4 (7), 1986; Vol. 5 (6), 1987; Vol. 6 (2-12), 1988; Vol. 7 (1-4, 9-12), 1989; Vol. 8

*National Agricultural Library Gift and Exchange Program/RF, Room 002G  
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*Applied Microbiology and Biotechnology.* Vol. 20 (1), 1984.

*Business Marketing.* Vol. 69 (Feb), 1984.

*Molecular and Cellular Biology.*

(12), 1990; and Vol. 9, (1-4), 1991.

*Yearbook of Agriculture*. U. S. Department of Agriculture.

\*\*All Spanish and Russian editions\*\*

## Surplus Publications

The National Agricultural Library will make available the following surplus publications to any interested organization that regularly sends free publications to NAL, including most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material. Listed titles may be requested up to six months following announcement.

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Or call Ruth Finnblade, (301) 504-7061 [TTY (301) 504-6856].

*Cocoa Growers Bulletin*. 1963-69.

*Gobbles*. 1977-80.

*Phytopathology*. Vol. 80, 1990.

*Plant Disease*. Vol. 75-76, 1991-92.

*Turkey World*. 1954-56; 1960; 1962; 1969; 1971-77.

**Economy of the World System.** Cornell University, Ithaca, NY. Contact: Philip McMichael, 607-255-5495; FAX 607-255-9984.

**April 16-17: Comprehensive Skills for Public Housing and Community Development Commissioners.** National Association of Housing and Redevelopment Officials. New Orleans, LA. Contact: 202-429-2960.

**April 16-18: National Organization of Nurse Practitioner Faculties 19th Annual Meeting.** Chicago, IL. Contact: 202-463-6930.

**April 16-18: Northwest Meat Processors Association Convention.** Seaside, OR; Seaside Convention Center. Contact: 503-226-2758.

**April 17-20: Prevention '93: Leadership for Prevention in Health Care Reform.** American College of Preventive Medicine and Association of Teachers of Preventive Medicine. St. Louis, MO. Contact: Emily Parker Slough, 202-789-0006.

**April 17-24: National County Government Week.** National Association of Counties. The activities will focus on public awareness of the danger of radon. Contact: 202-393-2630.

**April 18-20: American Meat Institute/Food Marketing Institute Meat Marketing Conference.** Dallas, TX; The Fairmont Hotel. Contact: 703-841-2400.

**April 18-20: AAZPA Great Lakes Regional Conference.** Duluth, MN. Contact: Julene Boe, 218-624-1502.

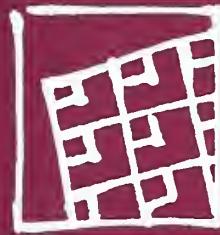
**April 18-20: 2nd National Conference on Family Literacy.** National Center for Family Literacy. Louisville, KY. Contact: 502-584-1133.

**April 18-21: Directions for Change.** National Council for Urban Economic Development Annual Conference. Washington, DC, Renaissance Hotel Techworld. Contact: Jenny Murphy, 202-223-4735.

**April 18-21: North American Snow Conference.** American Public Works Association. Cleveland, OH. Contact: 312-667-2200.

**April 18-21: 12th Annual Conference.** State and Local Governments Benefits Association. St. Louis, MO. Contact: Darla Struemph, 314-751-2342.

**April 18-25: Keystone Symposia on Molecular & Cellular Biology: Transposition and Site-Specific Recombina-**



## Agriculture Datebook

Meetings included in this list are selected from USDA's *Ag Calendar* and information provided by NAL information centers, federal and state agencies, associations, and interest groups. Normally, items are listed only once, as soon as practical after receipt. Inclusion does not constitute endorsement by NAL or USDA. If you have items for consideration, please send information to:

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**April 5-7: Second International Conference on Science and Technology in Third World Development.** Glasgow, Scotland. Contact: Africa Recovery, S-931, United Nations, New York, NY 10017.

**April 6-7: Impact of the Intermodal Surface Transportation Efficiency Act of 1991 on Rural and Small Urban Areas Workshop.** Burlington, VT

Radisson Hotel. Contact: 814-863-4656 or 202-720-8042.

**April 9: Advances in Occupational and Environmental Medicine.** University of Washington Northwest Center for Occupational Safety and Health, Seattle, WA. Contact: Janice Schwert, 206-543-1069.

**April 12-14: Ground Water Monitoring and Sampling.** National Ground Water Association. Minneapolis, MN. Contact: 614-761-1711.

**April 12-16: ABC 7th International Biotechnology Meeting and Exhibition.** Research Triangle Park, NC. Contact: 202-234-3330.

**April 14-15: Food Micro '93, Microbiology Conference.** Arlington, VA; Hyatt Regency. Contact: 202-637-8060.

**April 15-16: 1993 National Service-Learning Conference.** Roseville, MN. Contact: 612-631-3672.

**April 15-17: Food and Agricultural Systems in the World Economy.** 7th Annual Conference on the Political

**tion: Mechanism and Biology**, Keystone, CO. Contact: 303-262-1230.

**April 19-21: Critical Issues in Water Quality Workshop**. Tallahassee, FL; Florida A&M University. Contact: Y. P. Hsieh, Florida A&M Univ., Tallahassee, FL 32307.

**April 19-21: National Cubic Measurement Symposium**. Spokane, WA. Contact: 202-205-1491.

**April 19-21: National Environmental Training Association 15th Annual Conference**. Seattle, WA. Contact: 602-956-6099.

**April 19-22: Association of State Drinking Water Administrators 8th Annual Conference**. Nashville, TN. Contact: 703-524-2428.

**April 20-21: Georgia Water Resources Conference**. Athens, GA. Contact: 706-542-1555.

**April 21: Mock Planning Board Hearing**. Rural Satellite Network Teleconference (7:00 p.m.-9:00 p.m.). New York State Office of Rural Affairs. For location of a downlink site near you, contact: 518-473-9003.

**April 21-23: Challenges in Rural-and Frontier-Based Alcohol and Other Drug Abuse Treatment Services**. Hot Springs, AR. Center for Substance Abuse Treatment (CSAT) and National Rural Institute on Alcohol and Drug Abuse (NRIADA). Contact: 301-443-8956.

**April 21-23: Evaluation in Health Care Policy and Practice: Working Smarter and Targeting for Results. Knowledge Utilization Society Annual Meeting**. Washington, DC. Contact: Dr. Susan Klein, 202-219-2038.

**April 21-23: Joseph F. Morgan Research Foundation, Current Trends: In Vitro Skin Toxicology and Eye Irritancy Testing**. Ottawa, Ontario, Canada. Contact: 613-594-8226.

**April 21-23: Northwest Regional Symposium**. Solid Waste Association of North America. Vancouver, BC. Contact: Mr. B.J. Davies, 604-873-7348.

**April 21-24: Molecular Genetics of Plant-Microbe Interactions**, East Brunswick, NJ. Contact: 908-932-9271.

**April 21-24: Symposium on Economic Development in Asian Countries**. Corpus Christi, TX. Contact: Professor Kwang-wen Chu, Department of Economics, California

State University, Fullerton, CA 92634-9480.

**April 21-25: Molecular Genetics of Plant-Microbe Interactions (Workshop and Symposia)**, East Brunswick, NJ. Contact: 908-932-9271, FAX: 908-932-8726.

**April 22: Sustainable Soil Management Symposium**. University of California-Davis. Contact: Chuck Ingels, 916-757-3276.

**April 22: Earth Day**. Nationwide environmental awareness and education campaigns announced locally.

**April 23-24: Transportation Planning for Livable Communities**. Bicycle Federation of America, EPA, and others. Atlanta, GA. Contact: 1-800-937-6847.

**April 25-29: Third Aquarium Congress**. Boston, MA. Contact: John Prescott, Executive Director, New England Aquarium, Central Wharf, Boston, MA 02110.

**April 26-27: 11th Annual ATCC Biotechnology Patent Conference**. Washington, DC. Contact: 301-231-5566.

**April 26-28: Europe Business Outlook Conference**. Pittsburgh, PA. Contact: Dr. Andrew Blair, 412-648-1570; FAX: 412-648-1693.

**April 26-28: Human Resources Seminar**. Lexington, KY; Marriott Griffin Gate. Contact: 404-377-6465.

**April 26-28: Second National Rural Tourism Development Conference**. Rapid City, SD. Contact: 202-482-5520; FAX: 202-482-2887.

**April 26-30: Managing Ambulatory Health Care: For Physicians in Community Health Centers**. Boston, MA; Harvard University School of Public Health and The Massachusetts League of Community Health Centers. Contact: 617-432-1171.

**April 27-29: North American Waste-to-Energy Symposium**. Solid Waste Association of North America (SWANA), and others. Airport Holiday Inn, Islip, NY. Contact: Dawn M. Campbell, 301-585-2898.

**April 28: CD-ROM and Local Area Networking Technologies and CD-ROM and Wide Area Networking Technologies**. Two, half-day workshops, Washington, DC. Contact: 410-243-2755; FAX: 410-243-9419.

**April 28-30: Holistic Resource Management Starter Course**. Berlin,

OH. Contact: Ed Martsoff or Arlene Musselman, 501-727-5659.

**April 28-30: Implementing the Americans with Disabilities Act and Coordinating Community Transportation Resources**. Anchorage, AK; Anchorage Hilton Hotel. Contact: CTAP Hotline, 1-800-527-8279.

**April 28-30: National Conference on Tourism Development**. National Association of State Development Agencies (NASDA). Rapid City, SD. Contact: 202-898-1302.

**April 28-May 1: Advocacy & Action: Strategies for a New Administration**. National Congress for Community Economic Development. Annual Conference. Washington, DC; Washington Hilton and Towers. Contact: 202-234-5009.

**April 29: Understanding the Internet**. Washington, DC. Contact: 410-243-2755; FAX: 410-243-9419.

**April 30-May 1: Leadership in Consumer Literacy: Reaching the New Global Market**. National Coalition for Consumer Education. Washington, DC. Contact: 201-635-1916.

**April 30-May 1: Transportation Planning for Livable Communities**. Bicycle Federation of America, EPA, and others. Winter Park, FL. Contact: 1-800-937-6847.

**May 2-4: AAZPA Northeastern Regional Conference**. Pittsburgh, PA. Contact: 412-665-3762.

**May 2-4: Conference of Librarians in International Development**. Tallahassee, Florida. Contact: Charles Wm. Conaway or John N. Gathgegi, 904-644-8123; FAX: 904-644-9763.

**May 2-4: Millers' National Federation Annual Meeting**. Williamsburg, VA; Colonial Hotel. Contact: Suzanne Arment, 202-484-2200; FAX: 202-488-7416.

**May 2-5: No-Dig '93 Conference**. North American Society for Trenchless Technology. San Jose, CA. Contact: 312-644-0828.

**May 2-5: Third Conference on Research Policies and Quality Assurance Government Regulations**. Baltimore, MD. Contact: Adil Shamoo, Ph.D, 410-706-3327.

**May 2-8: National Drinking Water Week**. Nationwide drinking water public awareness and education campaigns announced locally.

**May 3-6: The First International**

**Congress on the Health Effects of Hazardous Waste.** Agency for Toxic Substances and Disease Registry (ATSDR), Public Health Service, and Emory University School of Public Health. Atlanta, GA. Contact: Stephen Von Allmen, 404-639-0708.

**May 5: Consolidation/Cooperation of Local Governments.** Rural Satellite Network Teleconference (7:00 p.m.-9:00 p.m.). New York State Office of Rural Affairs. For location of a downlink site near you, contact: 518-473-9003.

**May 8-9: Migrant Health Clinical Skills Building Workshops.** Migrant Clinicians Network. Denver, CO. Contact: 512-447-0770.

**May 9-11: National Cottonseed Products Association Annual Convention.** Corpus Christi, TX; Marriott. Contact: Ben Morgan, 901-682-0800; FAX: 901-682-2856.

**May 9-12: Food Marketing Institute Supermarket Industry Convention.** Chicago, IL; McCormick Place. Contact: 202-452-8444.

**May 9-12: NASDA's U.S. Food Export Show.** Chicago, IL; McCormick Place. Contact: 703-876-0900.

**May 9-12: Supermarket Industry Convention and Educational Exposition.** Chicago, IL; McCormick Place-on-the-Lake. Contact: Diana Ohtersen, 202-452-8444; FAX: 202-429-4519.

**May 9-12: 7th Annual Town Meeting on Main Street.** Milwaukee, WI. Contact: 202-673-4000.

**May 9-12: U.S. Food Export Show.** Chicago, IL; McCormick Place-on-the-Lake. Contact: DeWitt Ashby, 202-296-9680; FAX: 202-296-9686.

**May 9-12: U.S. Food Export Showcase.** Chicago, IL. Contact: USDA/Foreign Agricultural Service, Trade Show Office, 4939 South Building, Washington, DC 20250-1000.

**May 9-13: Carbon: Forms and Functions in Forest Soils.** 8th North American Forest Soils Conference. Gainesville, FL. Contact: Monique Terrell, 904-392-5930.

**May 9-15: Small Business Week.** Small Business Administration Activities to be announced. Contact: 1-800-827-5722.

**May 10-13: 1993 National Conference on Migrant and Seasonal Farmworkers.** National Association

of Community Health Centers, Inc.(NACHC). Denver, CO. Contact: JoAnne Orijel or Alayne Walker, 202-659-8008.

**May 10-21: Advanced Transportation Management.** Northwestern University. Evanston, IL. Contact: 312-491-5273.

**May 11-13: Manager of Landfill Operations Training.** Auburn, AL. Contact: 301-585-2898.

**May 12-15: American Cotton Shippers Association Annual Meeting.** Naples, FL; Ritz Carlton Hotel. Contact: William E. May, 901-525-2272; FAX: 901-527-8303.

**May 12-15: Florida International Agribusiness Trade Show.** Bartow, FL; Polk County Agricultural Ctr. Contact: Tony Fendrick, 904-488-4366; FAX: 904-922-0374.

**May 12-15: NRHA 16th Annual National Conference.** National Rural Health Association. Kansas City, MO. Contact: 816-756-3140.

**May 14-20: Medical Library Association.** Chicago, IL. Contact: 312-419-9094.

**May 15: Sawing Technology Conference.** Corvallis, OR; Oregon State University, College of Forestry. Contact: 503-737-2329.

**May 15-16: The American Anti-Vivisection Society Seminar.** Pottstown, PA. Contact: Zoe Weil, 215-887-0816.

**May 15-21: National Organic Standards Board Meeting.** Kutztown, PA; Rodale Institute. Contact: Dr. Harold Ricker, USDA, 202-720-2704.

**May 16-19: American Hardwood Export Council Annual Meeting.** Washington, DC; ANA Hotel. Contact: Traci Himmel, 202-463-2723; FAX: 202-463-2785.

**May 16-19: National Forest Products Association Spring Conference.** Washington DC; ANA Hotel. Contact: Carol McDougall, 202-463-2723; FAX: 202-463-2785.

**May 16-19: 6th Annual Emergency Information Systems (EIS) Users' Conference.** EIS International, Rockville, MD. Contact: Kimberly Patrick, 301-424-2803 or 1-800-999-5009.

**May 16-20: 24th Annual International Association for Aquatic Animal Medicine (IAAAM).** Chicago, IL. Contact: Jim Robinett, 312-939-2426.

**May 16-21: First International**

**Conference on Investments and Financing in the Tourism Industry.** Jerusalem, Israel. Contact: Secretariat, Conference on Investments and Financing, in Tourism, Box 71102, Jerusalem 91079, Israel.

**May 17-19: American Feed Industry Association 85th Annual Convention.** Minneapolis, MN; Minneapolis Convention Center. Contact: Barbara Estridge, 703-524-0810 or FAX: 703-524-1921.

**May 17-19: American Meat Institute Government Affairs Conference.** Washington DC; Willard Hotel. Contact: Mike Capps, 703-841-2400; FAX: 703-527-0938.

**May 17-21: The Community Transit Roundup: EXPO '93.** Austin, TX; Convention Center. Contact: Charles Dickson, 202-628-1480.

**May 18-19: Impact of the Intermodal Surface Transportation Efficiency Act of 1991 on Rural and Small Urban Areas Workshop.** Hershey, PA; Hershey Lodge and Convention Center. Contact: 814-863-4656 or 202-720-8042.

**May 19: Topic To Be Announced.** Rural Satellite Network Teleconference (7:00 p.m.-9:00 p.m.). New York State Office of Rural Affairs. For location of a downlink site near you, contact: 518-473-9003.

**May 20-21: National Institutes of Health/Food and Drug Administration National Human Subject Protection Workshop.** Anchorage, AK. Contact: University of Alaska, Anchorage, AK.

**May 21-22: Comprehensive Skills for Public Housing and Community Development Commissioners.** National Association of Housing and Redevelopment Officials. Seattle, WA. Contact: 202-429-2960.

**May 21-25: Conjoint Annual Meetings of the American Association of Immunologists and the Clinical Immunology Society.** Denver, CO. Contact: 301-530-7010.

**May 22-24: PCR Techniques.** Washington, DC. Contact: 202-319-6161; FAX: 202-319-4467 and 202-319-5721.

**May 22-25: IAMA Symposium III: Managing in A Global Economy.** San Francisco, CA; San Francisco Hilton on Hilton Square. Contact: 409-845-2118; FAX: 409-845-6378.

## Espy Is 25th Secretary of Agriculture



photo: Byron Schumaker, USDA

Flanked by four fellow appointees at a January 22 ceremony at the White House, Mike Espy (center) is sworn in as USDA's 25th Secretary. Among the 15 other appointees sworn in with Espy are (from left) Commerce Secretary Ron Brown, Environmental Protection Agency Administrator Carol Browner, Veterans Affairs Secretary Jesse Brown, and Interior Secretary Bruce Babbitt. (For story, see page 12.)

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